

**LISTING OF THE CLAIMS**

1.-16. (Cancelled)

17. (Previously Presented) An abrasive carbon foam having an adherent surface comprising:  
an abrasive carbon foam body having a surface, wherein the abrasive carbon foam body is produced by blending particulate coal having a free swell index ranging from about 3.5 to about 5.0 with about 1% to about 10% by volume of a carbide precursor powder to form a reactive blend wherein the carbide precursor is selected from the group consisting of tungsten, silicon, and titanium, and controllably heating said reactive blend in a mold under a non-oxidizing atmosphere to a first temperature ranging from about 300°C to about 600°C and soaking at this temperature for a period ranging from about 10 minutes to about 12 hours; and  
an epoxy-graphite adhesive on the surface of the abrasive carbon foam body.